

48-34 Acrylic Temporization Kit (Project 96-04S) (5/96)

The Acrylic Temporization Kit is intended for the contouring and polishing of acrylic resin provisional crown and bridge restorations at chairside. The kit consists of: two extra-fine, cross-cut, tapered tungsten carbide burs; a serrated, double-sided, diamond disc for shaping interproximal areas; and two coarse, medium, and fine knife-edge rubber wheels containing silicon abrasive in a hardened phenolic resin. All carbide burs and diamonds are produced with stainless steel shanks making them fully autoclavable. Three screw-top mandrels are also included. All items have straight handpiece shanks. Recommended operating speeds are included with the kit. All components are held in a hollow aluminum bur block, 64 mm high, 102 mm wide, and 26 mm deep.

Manufacturer:

Brasseler USA
800 King George Blvd.
Savannah, GA 31419
(800) 841-4522
(912) 925-8525
(912) 927-8671 FAX

Suggested Retail Price:

\$89.00 Standard Package (product no. 000-11711)
\$20.95 Replacement carbide (product no. 79EF-040) 4 mm diameter X 13 mm long
\$17.95 Replacement carbide (product no. 257EF-023) 2.3 mm diameter X 13 mm long
\$19.00 Replacement double-side diamond disc (product no. 365-220) 22 mm diameter X 0.2 mm thick
\$1.60 Replacement mandrel (product no. 305-050) 5 mm diameter
\$1.95 Coarse replacement wheel (product no. BRO1) 22 mm diameter X 3 mm
\$1.95 Medium replacement wheel (product no. BRO2) 22 mm diameter X 3 mm
\$1.95 Fine replacement wheel (product no. BRO3) 22 mm diameter X 3 mm

Government Price:

\$70.30 Standard Package (product no. 000-11711)
\$15.32 Replacement carbide (product no. 79EF-040) 4 mm diameter X 13 mm long
\$12.63 Replacement carbide (product no. 257EF-023) 2.3 mm diameter X 13 mm long
\$12.50 Replacement double-side diamond disc (product no. 365-220) 22 mm diameter X 0.2 mm thick
\$0.90 Replacement mandrel (product no. 305-050) 5 mm diameter
\$1.25 Coarse replacement wheel (product no. BRO1) 22 mm diameter X 3 mm
\$1.25 Medium replacement wheel (product no. BRO2) 22 mm diameter X 3 mm
\$1.25 Fine replacement wheel (product no. BRO3) 22 mm diameter X 3 mm

ADVANTAGES:

- + Carbide burs allow access to gingival embrasures and a smooth finish in all areas including the margins.
- + Diamond disc effectively deepens and shapes interproximal areas.
- + Rubber wheels minimize damage to margins by eliminating the need for pumicing with rag wheels.
- + Surfaces polished with the rubber points are indistinguishable from surfaces polished with rag wheels using coarse pumice and polishing compounds.
- + Because pumicing and polishing are unnecessary, the dental officer can remain chairside throughout the appointment.
- + Provisional restorations never leave the treatment room; this eliminates the need for disinfecting them.
- + Burs, diamond disc, and rubber points can be sterilized.

DISADVANTAGES:

- Evaluators felt it necessary to pumice and polish anterior temporary restorations to eliminate ripples and achieve a high luster.

SUMMARY AND CONCLUSIONS:

Evaluators were enthusiastic about the contouring capabilities of the burs and diamond disc in the Acrylic Temporization Kit. They felt the final polish provided by the rubber wheels was very good. They also stated that pumicing and polishing was not needed when finishing posterior temporary restorations. However, the evaluators pumiced and polished anterior temporary restorations after using the rubber wheels to eliminate ripples and achieve a high polish. Rippling of the surface is caused by finishing a flat facial surface with a knife-edge rubber wheel. The rippling can be avoided by using the flat side of the wheel or augmenting the kit with rubber points made of the same material. While observing the evaluators, it was noticed that they did not use the medium wheel. This resulted in the low polish on the anterior provisional restorations. All three grades of rubber wheels must be used to achieve a high polish. Recommended operating speeds must be followed to achieve a high luster and reduce the wear of the rubber wheels. The **Acrylic Temporization Kit** is rated **Acceptable** for use by the federal dental services.